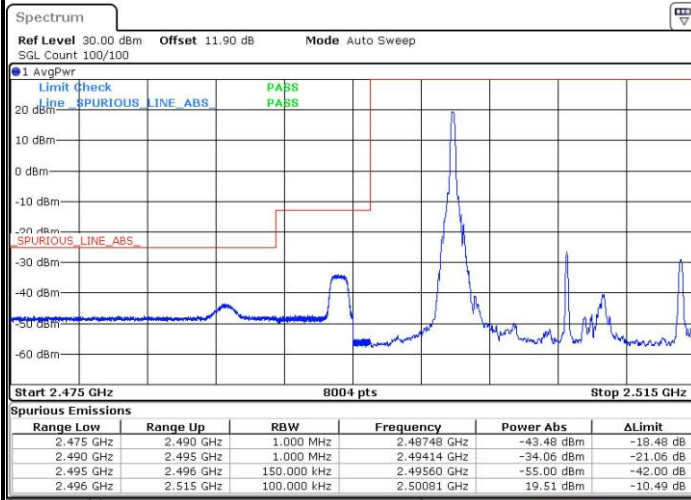


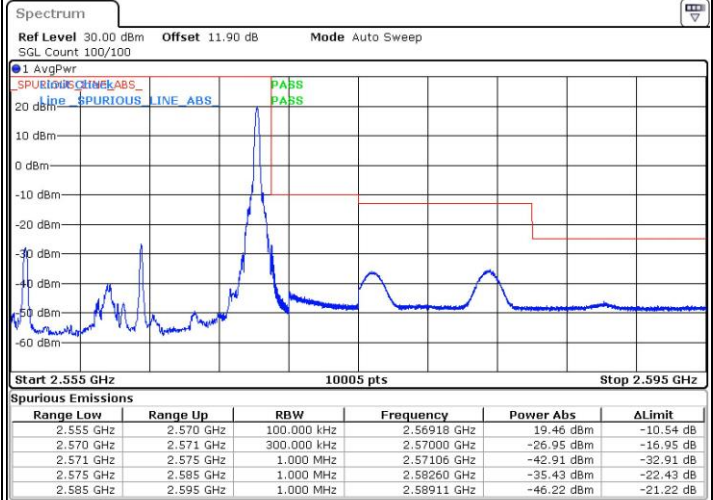


LTE Band 7 / 15MHz / QPSK

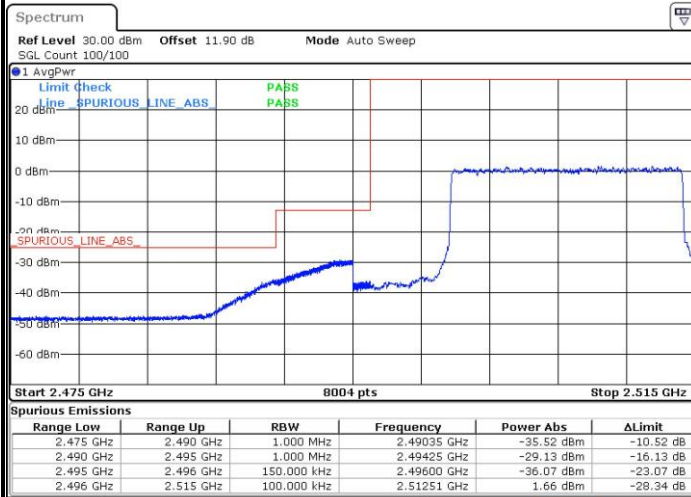
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



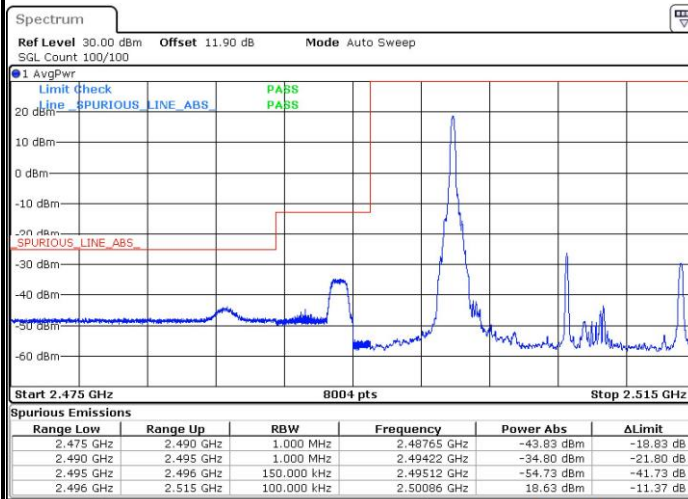
Highest Band Edge / Full RB



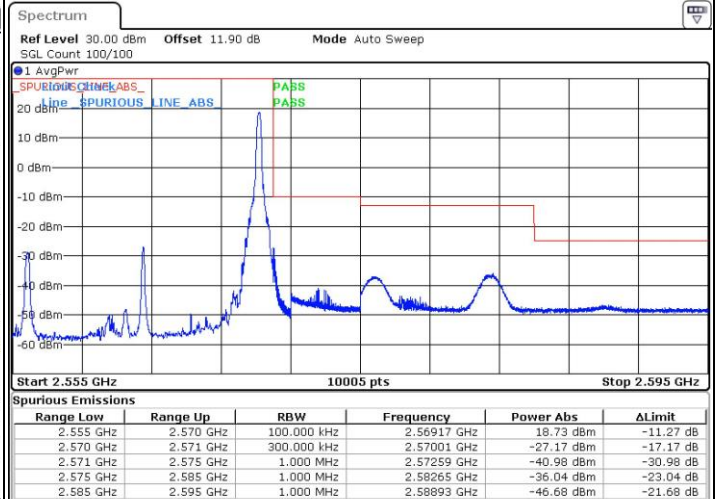


LTE Band 7 / 15MHz / 16QAM

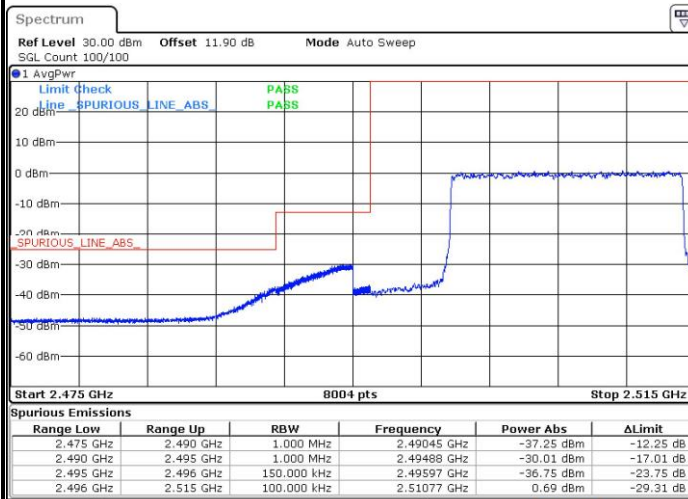
Lowest Band Edge / 1 RB



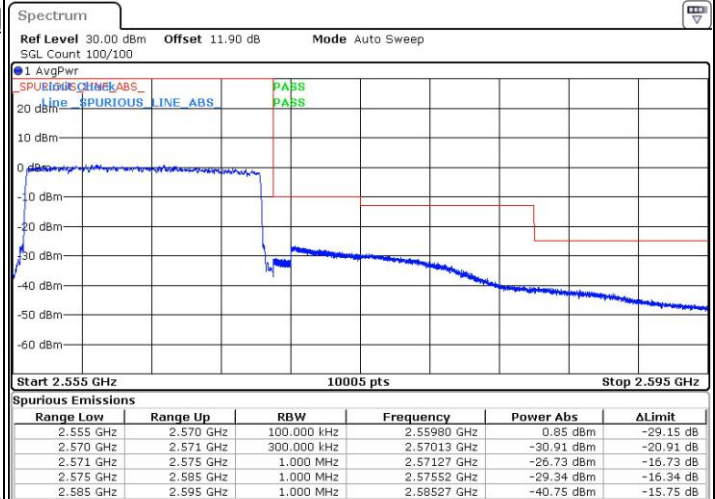
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



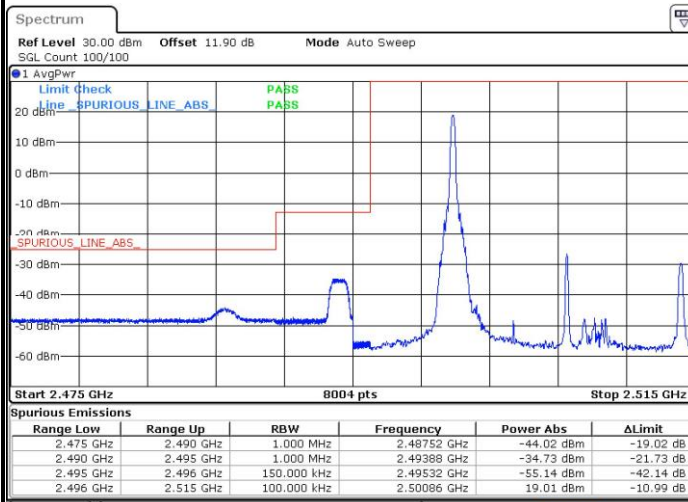
Highest Band Edge / Full RB



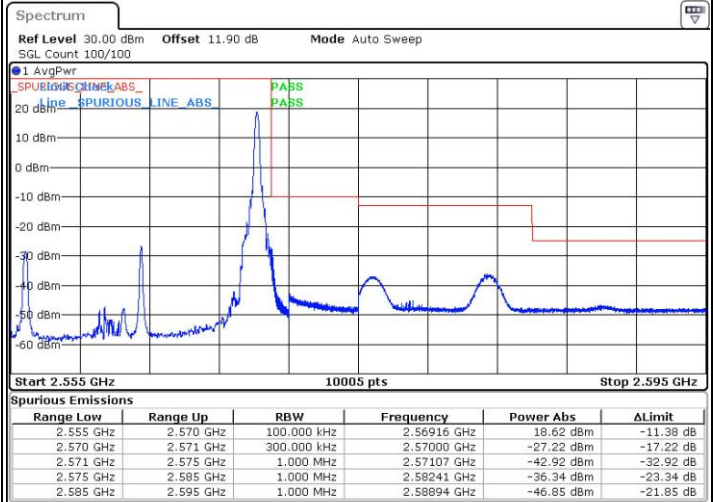


LTE Band 7 / 15MHz / 64QAM

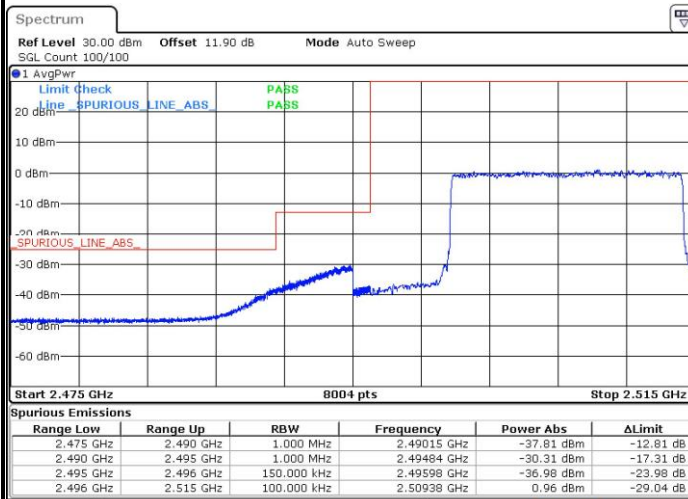
Lowest Band Edge / 1 RB



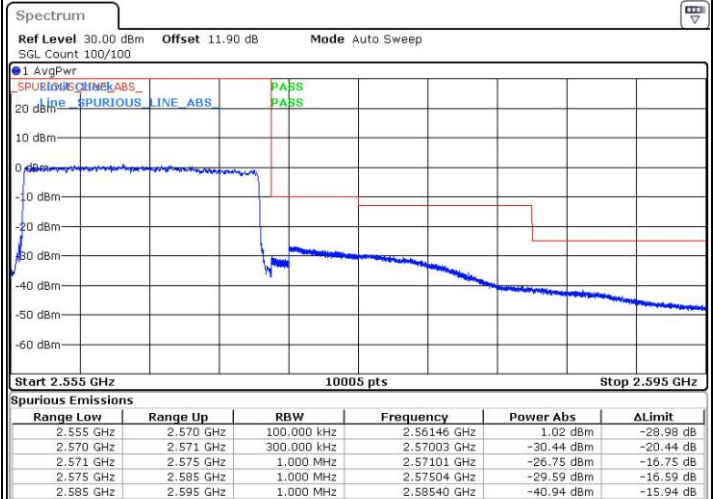
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



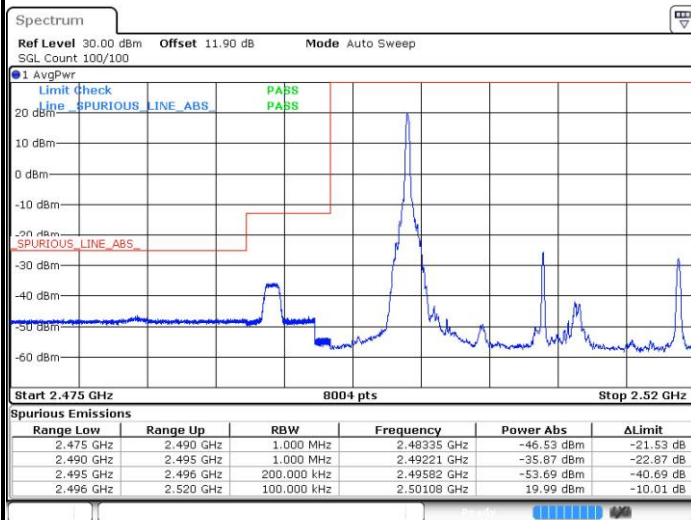
Highest Band Edge / Full RB



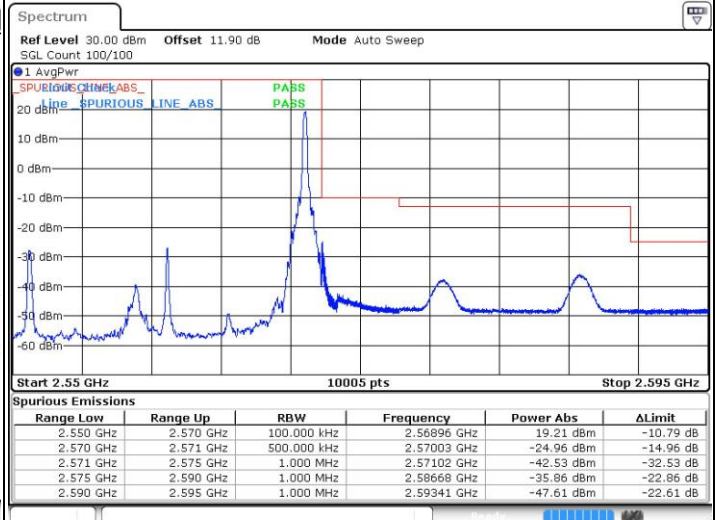


LTE Band 7 / 20MHz / QPSK

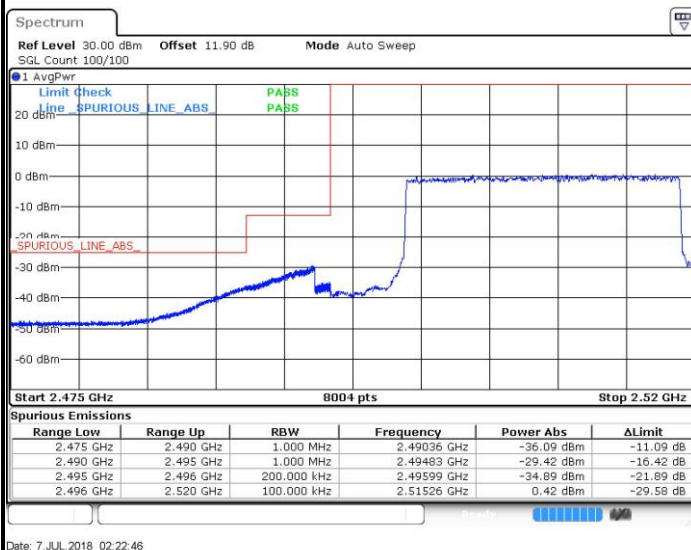
Lowest Band Edge / 1 RB



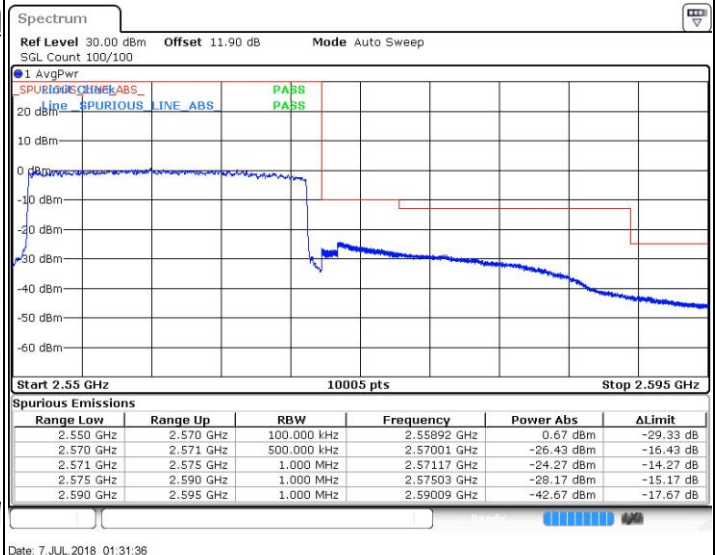
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



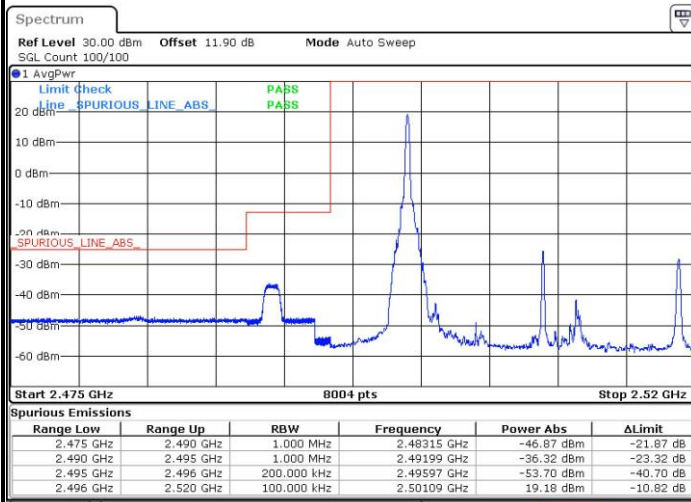
Highest Band Edge / Full RB





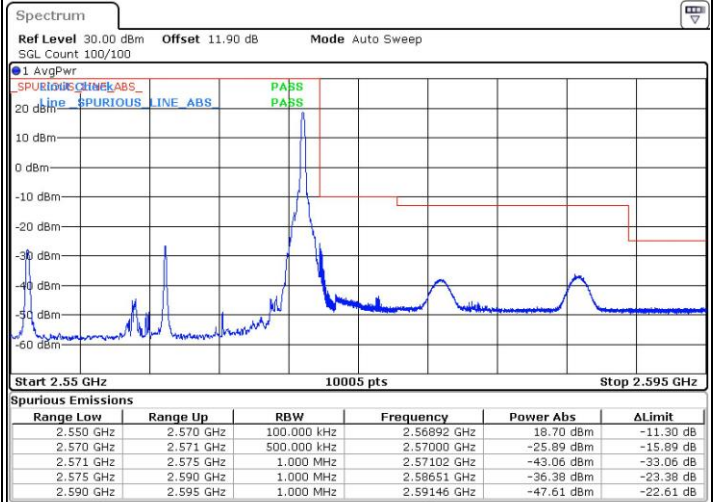
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



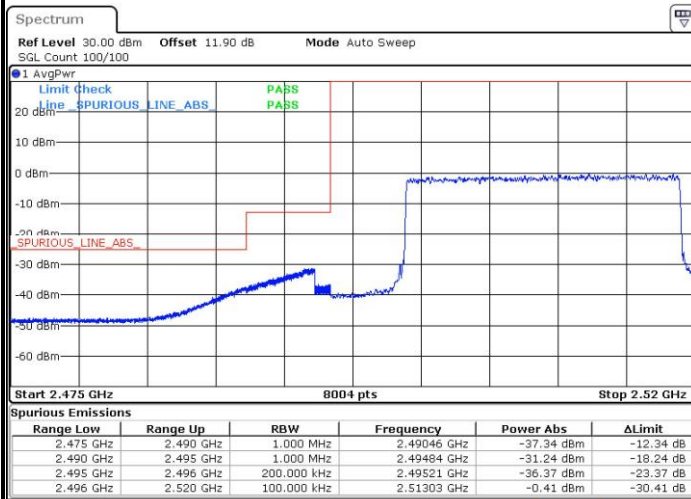
Date: 7 JUL 2018 02:21:35

Highest Band Edge / 1RB



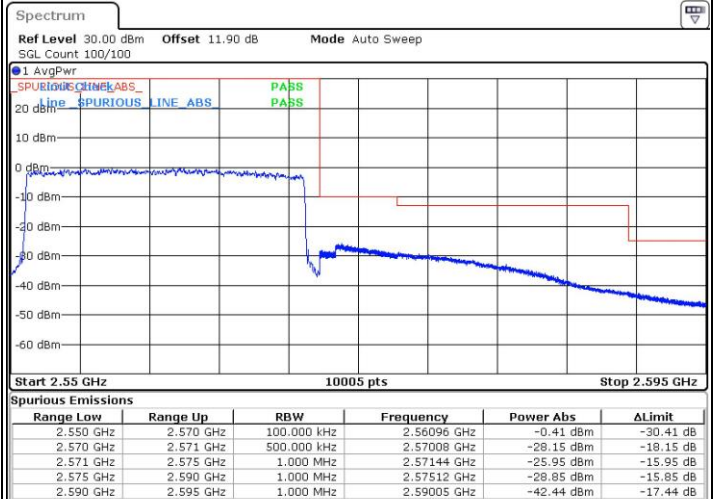
Date: 7 JUL 2018 02:26:18

Lowest Band Edge / Full RB



Date: 7 JUL 2018 02:23:56

Highest Band Edge / Full RB

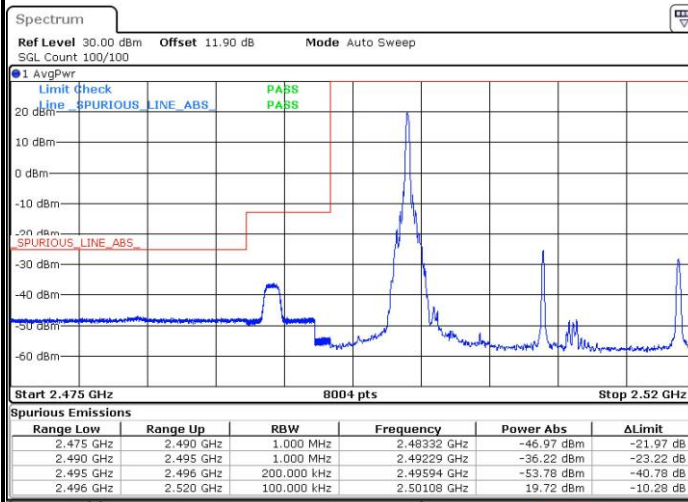


Date: 7 JUL 2018 01:30:25

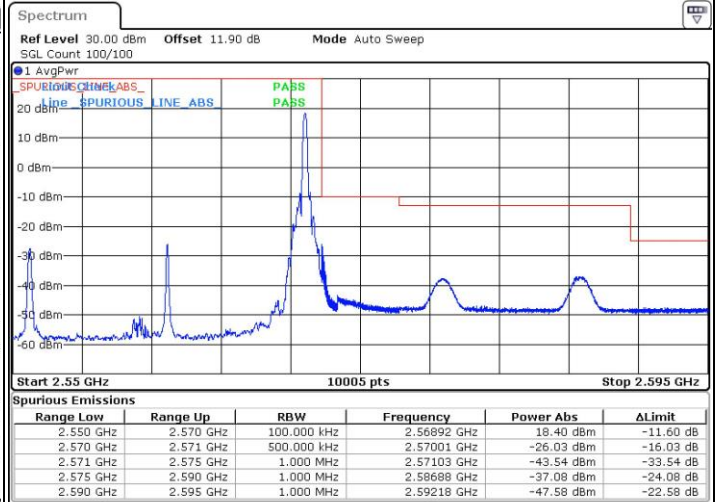


LTE Band 7 / 20MHz / 64QAM

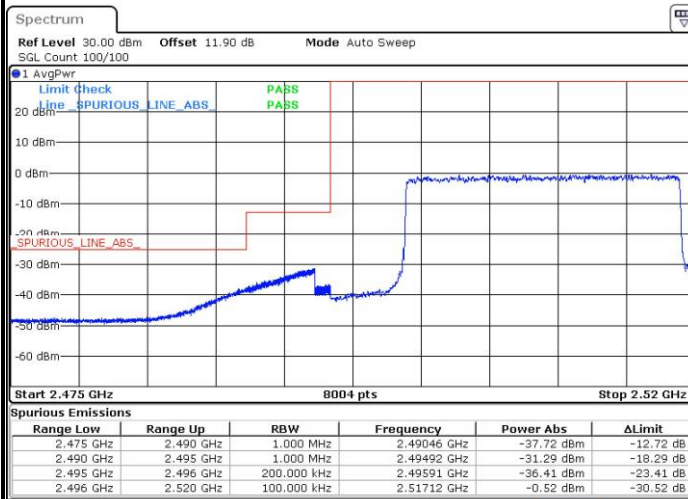
Lowest Band Edge / 1 RB



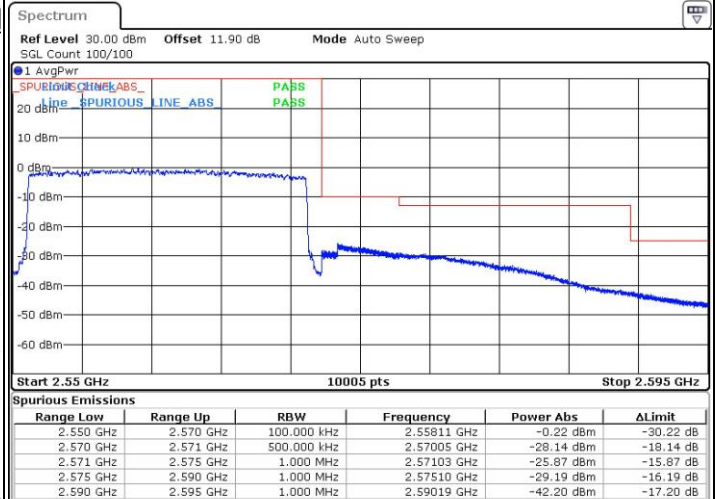
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



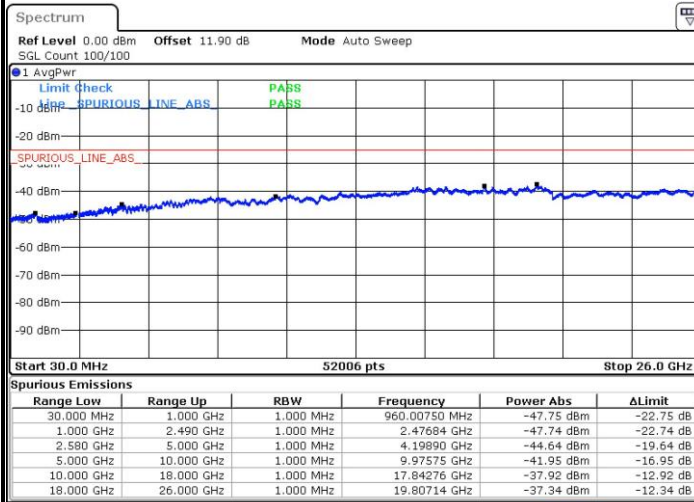


Conducted Spurious Emission



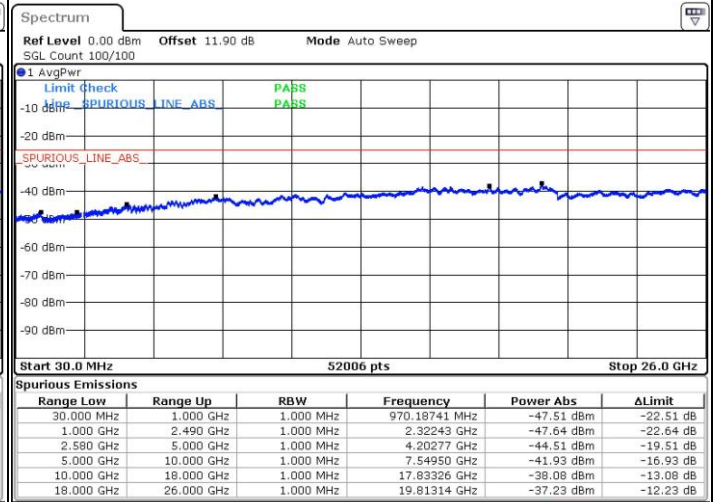
LTE Band 7 / 5MHz

Lowest Channel / QPSK



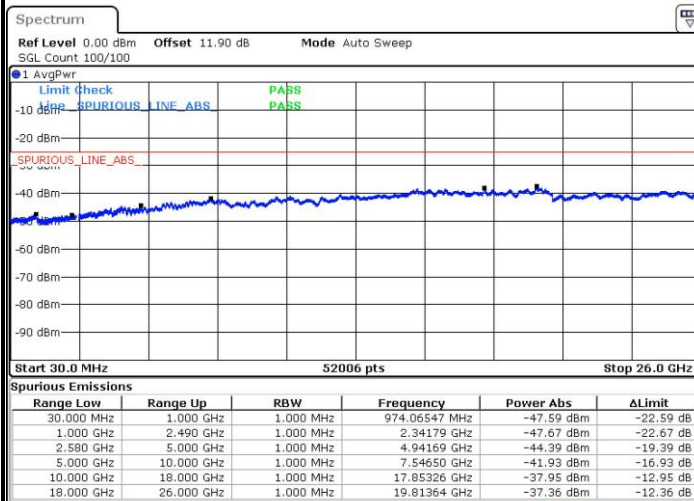
Date: 7 JUL 2018 00:03:35

Lowest Channel / 16QAM



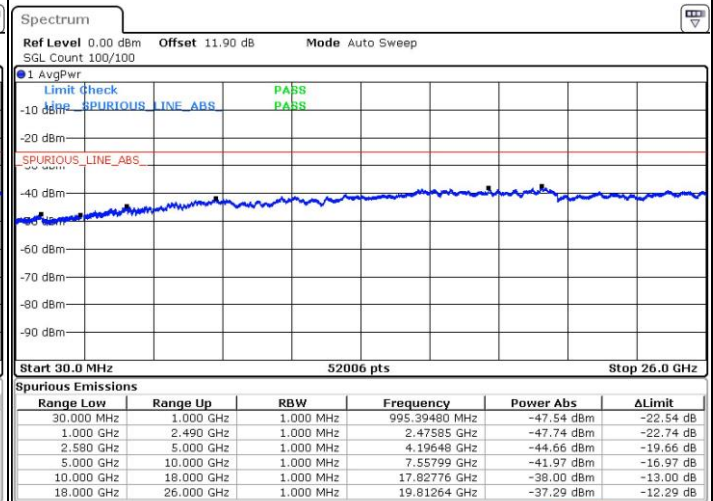
Date: 7 JUL 2018 00:04:30

Middle Channel / QPSK



Date: 7 JUL 2018 00:06:10

Middle Channel / 16QAM

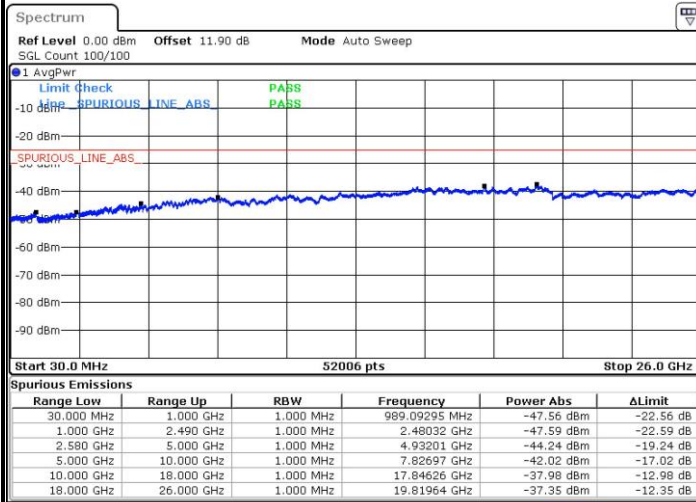


Date: 7 JUL 2018 00:07:05



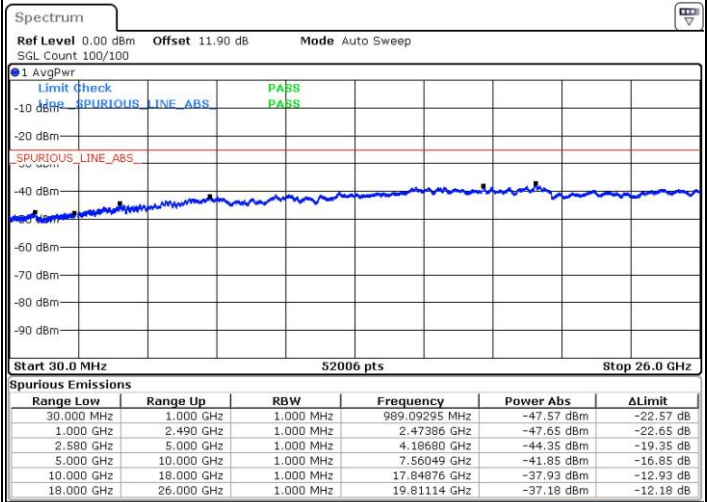
LTE Band 7 / 5MHz

Highest Channel / QPSK



Date: 7 JUL 2018 00:13:28

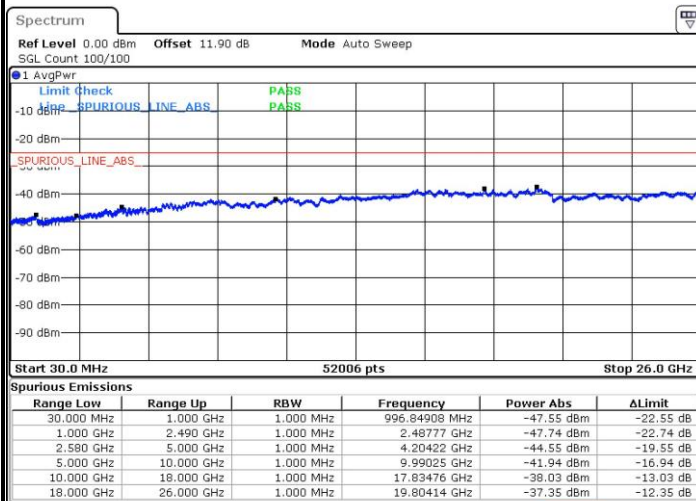
Highest Channel / 16QAM



Date: 7 JUL 2018 00:14:22

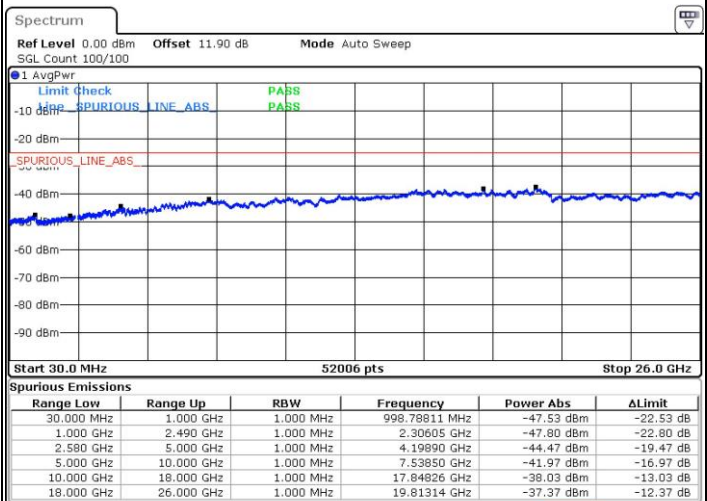
LTE Band 7 / 10MHz

Lowest Channel / QPSK



Date: 7 JUL 2018 00:29:21

Lowest Channel / 16QAM

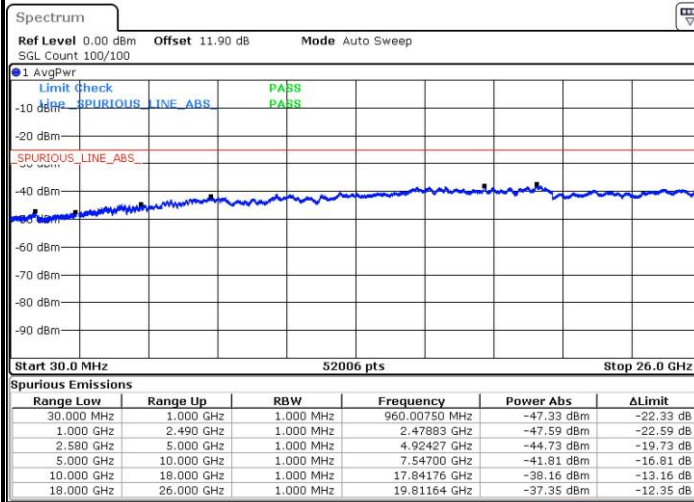


Date: 7 JUL 2018 00:30:16



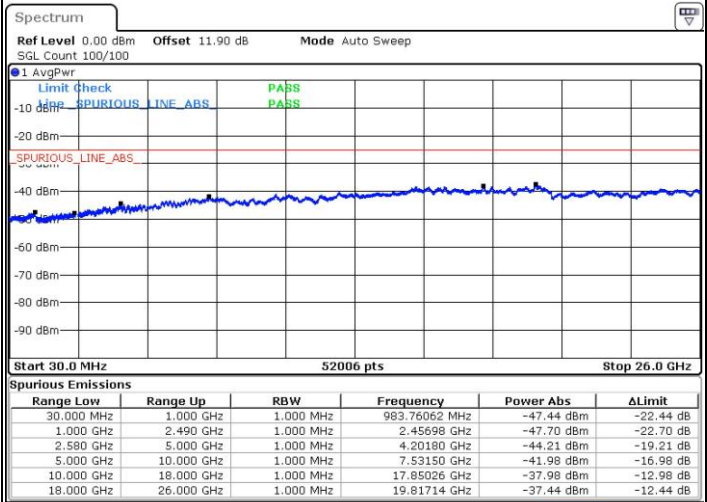
LTE Band 7 / 10MHz

Middle Channel / QPSK



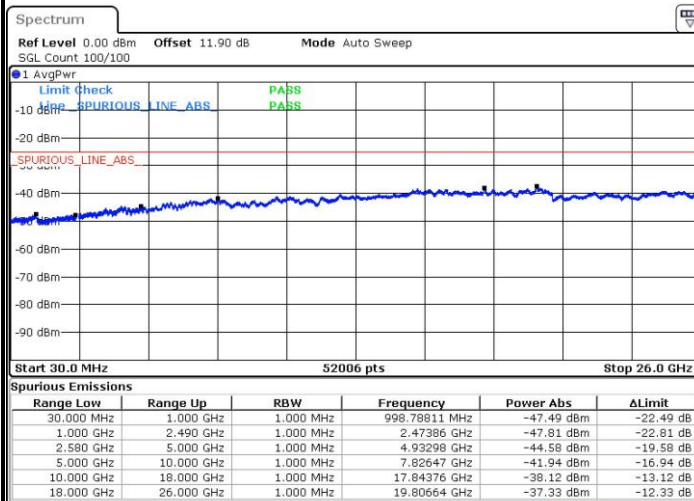
Date: 7 JUL 2018 00:31:56

Middle Channel / 16QAM



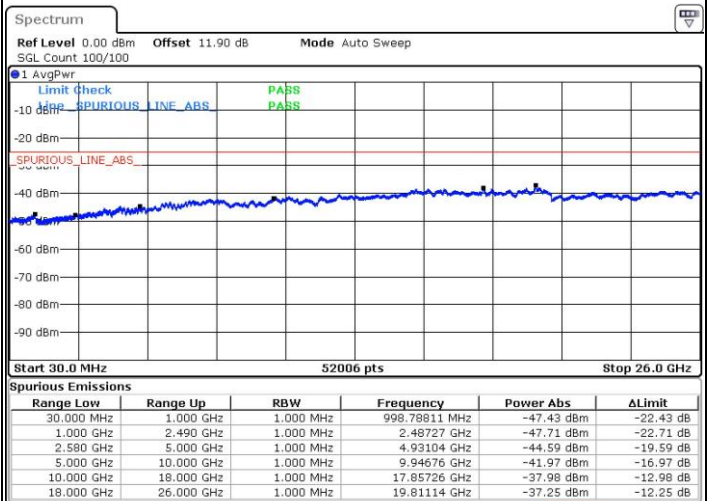
Date: 7 JUL 2018 00:32:50

Highest Channel / QPSK



Date: 7 JUL 2018 00:39:13

Highest Channel / 16QAM

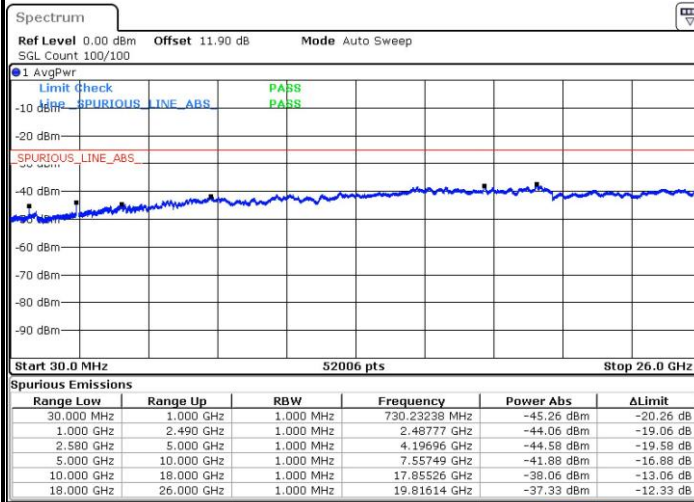


Date: 7 JUL 2018 00:40:08



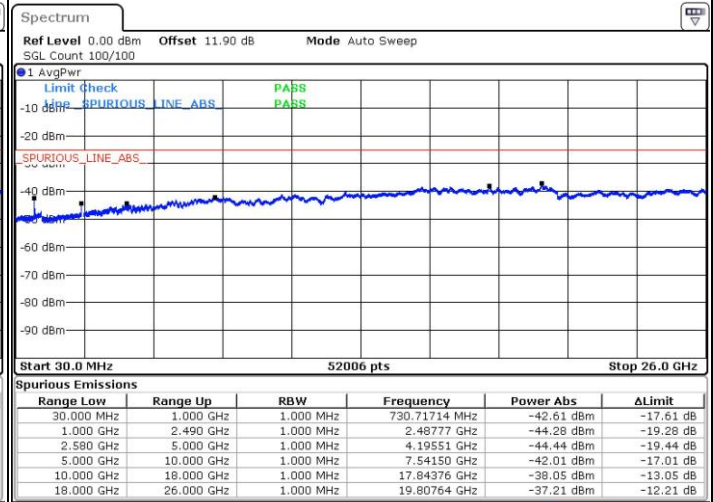
LTE Band 7 / 15MHz

Lowest Channel / QPSK



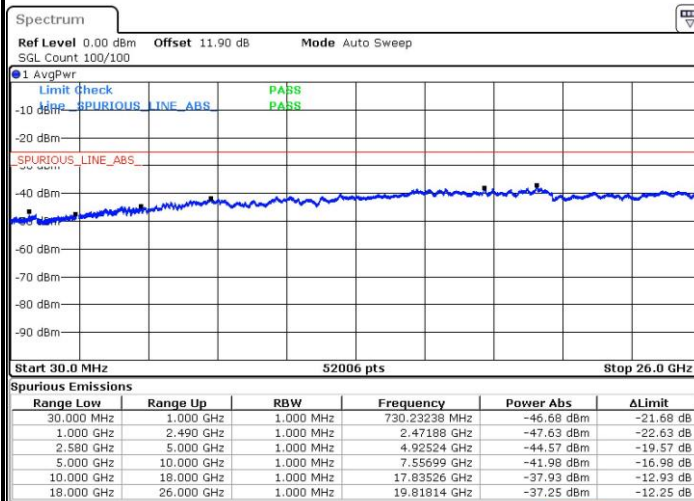
Date: 7 JUL 2018 00:55:08

Lowest Channel / 16QAM



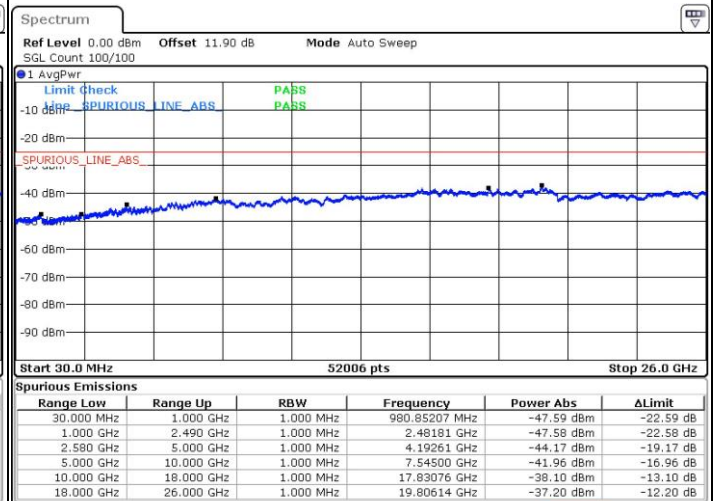
Date: 7 JUL 2018 00:56:02

Middle Channel / QPSK



Date: 7 JUL 2018 00:57:42

Middle Channel / 16QAM

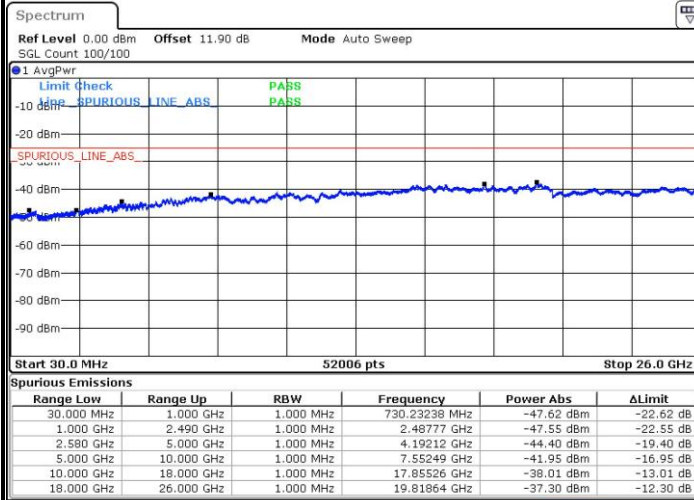


Date: 7 JUL 2018 00:58:37



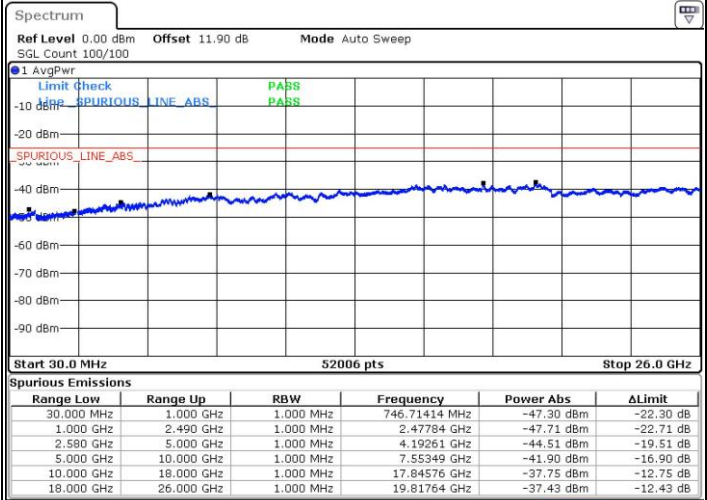
LTE Band 7 / 15MHz

Highest Channel / QPSK



Date: 7 JUL 2018 01:05:00

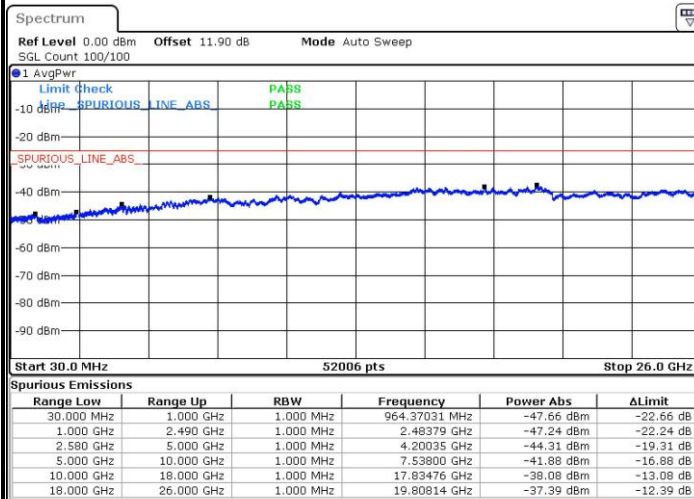
Highest Channel / 16QAM



Date: 7 JUL 2018 01:05:55

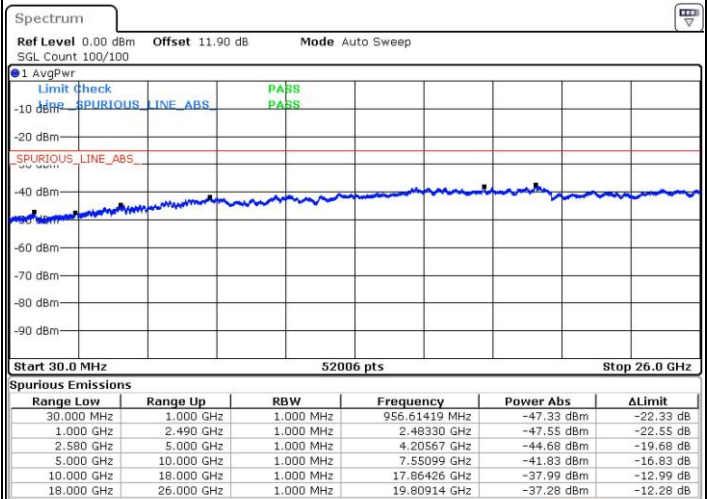
LTE Band 7 / 20MHz

Lowest Channel / QPSK



Date: 7 JUL 2018 01:20:56

Lowest Channel / 16QAM

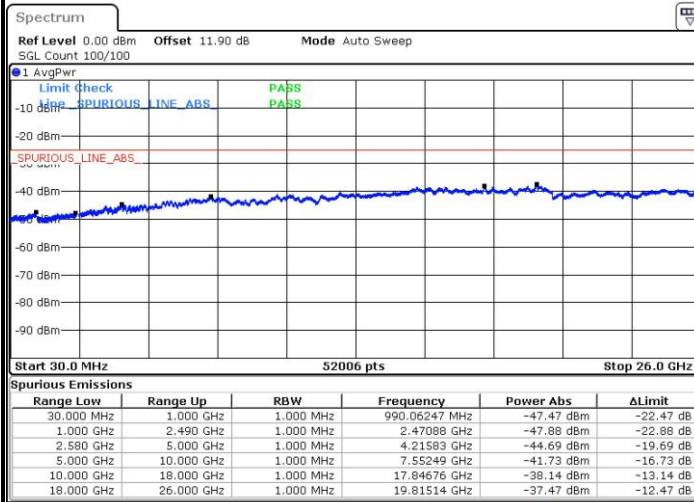


Date: 7 JUL 2018 01:21:51



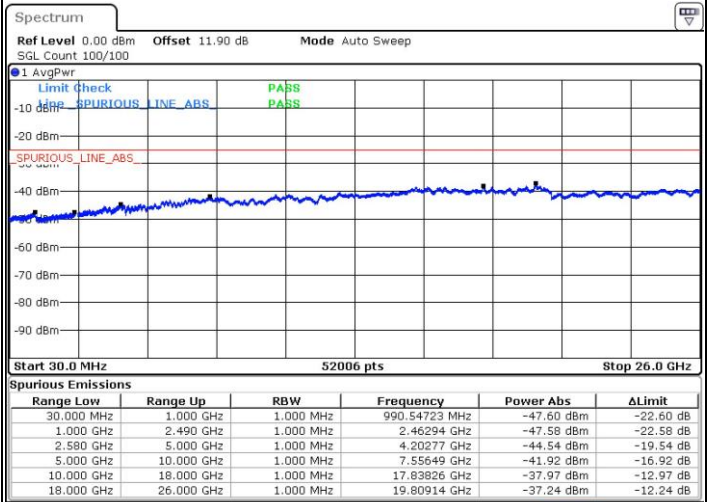
LTE Band 7 / 20MHz

Middle Channel / QPSK



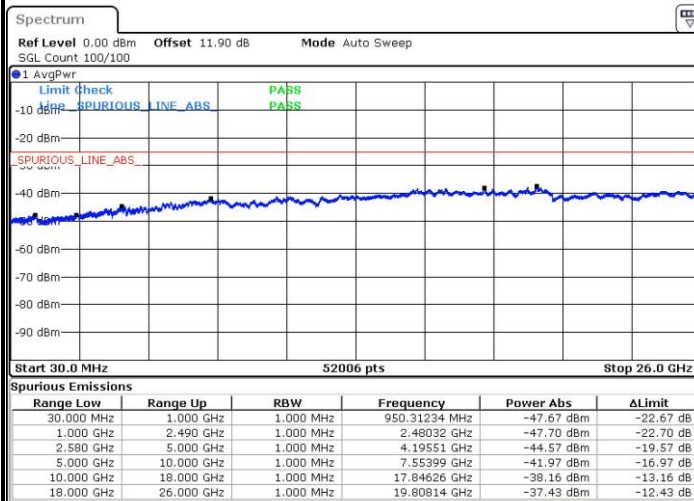
Date: 7 JUL 2018 01:25:13

Middle Channel / 16QAM



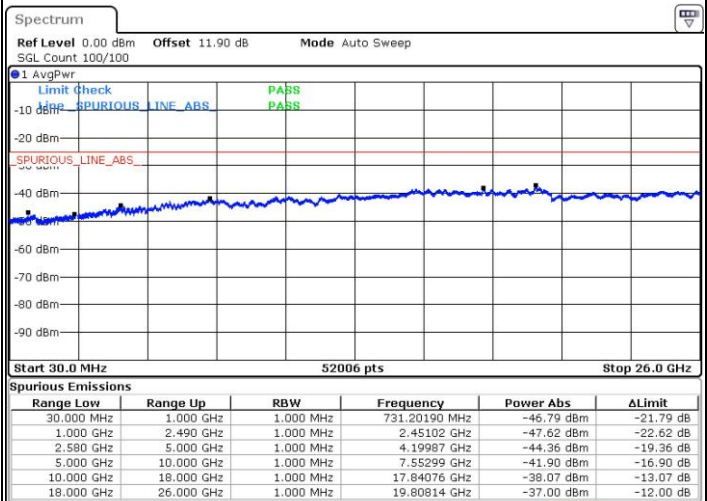
Date: 7 JUL 2018 01:26:08

Highest Channel / QPSK



Date: 7 JUL 2018 01:32:31

Highest Channel / 16QAM

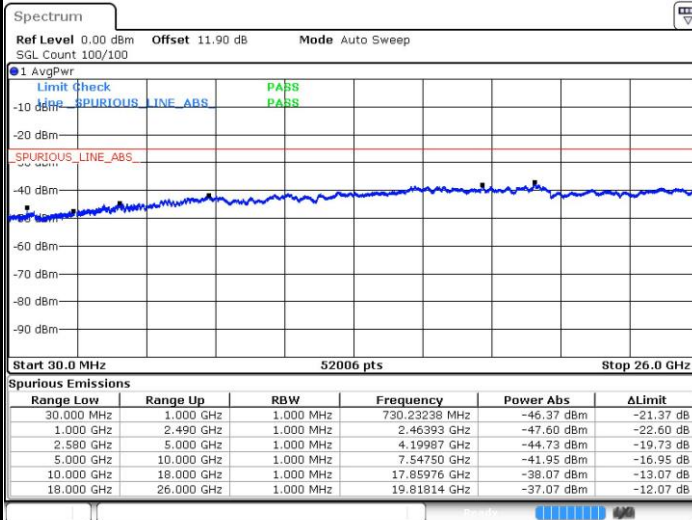


Date: 7 JUL 2018 01:33:26



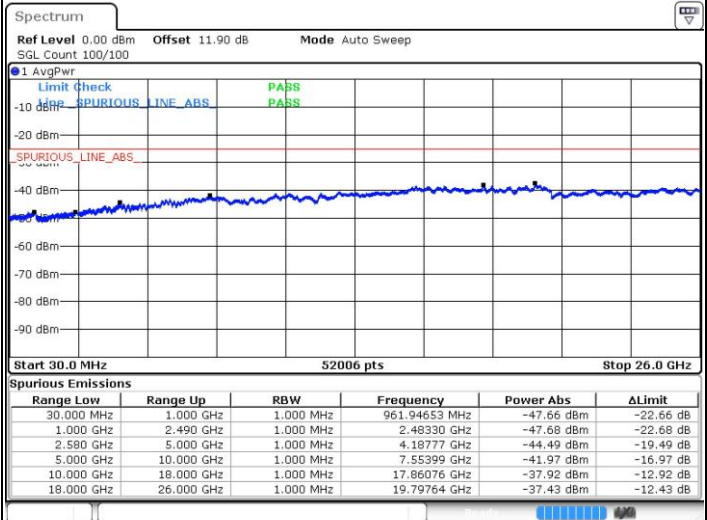
LTE Band 7 / 5MHz

Lowest Channel / 64QAM



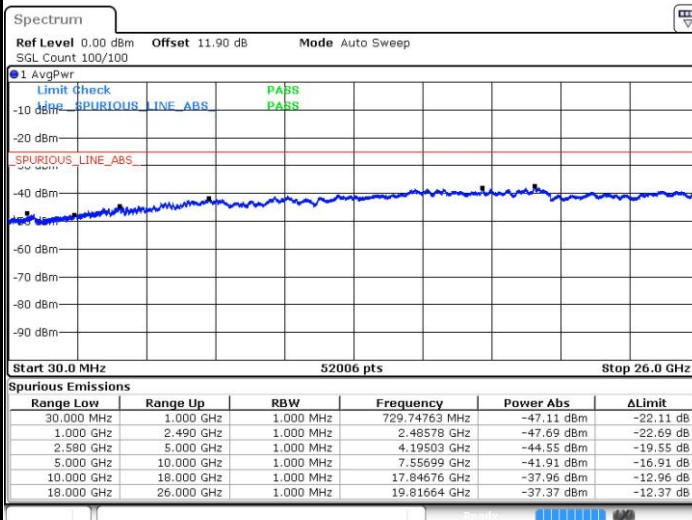
Date: 7 JUL 2018 00:18:02

Middle Channel / 64QAM



Date: 7 JUL 2018 00:19:19

Highest Channel / 64QAM

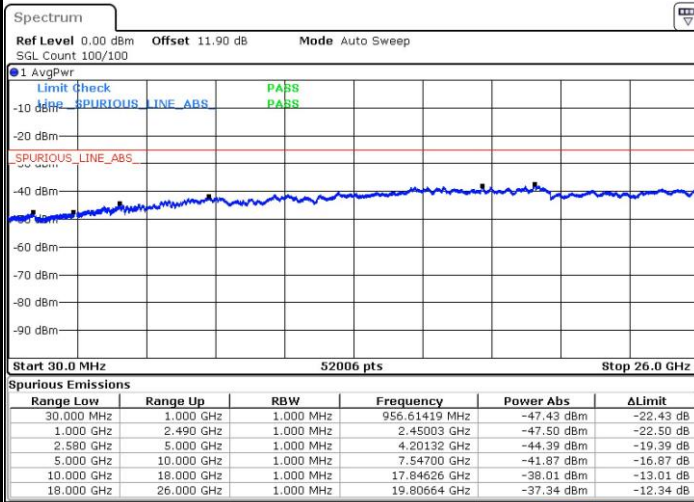


Date: 7 JUL 2018 00:22:58



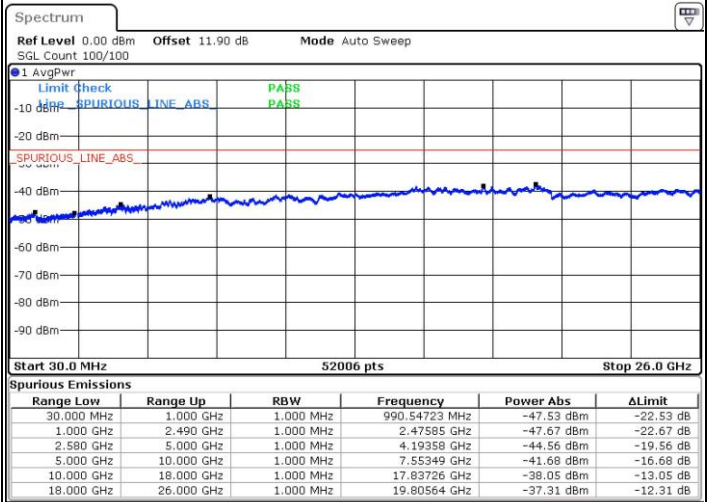
LTE Band 7 / 10MHz

Lowest Channel / 64QAM



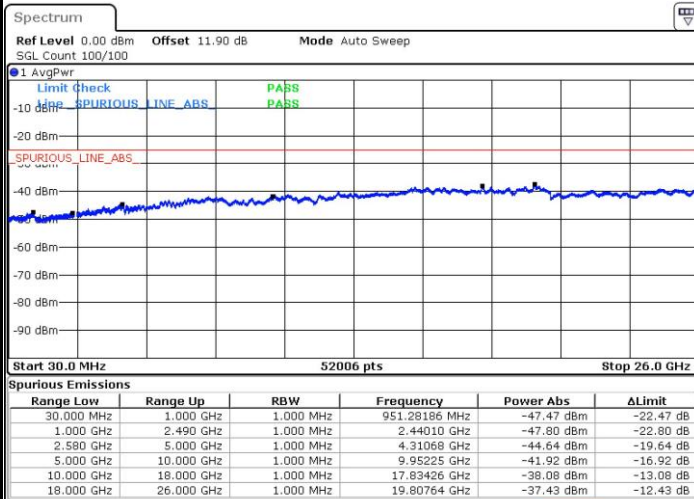
Date: 7 JUL 2018 00:43:47

Middle Channel / 64QAM



Date: 7 JUL 2018 00:45:04

Highest Channel / 64QAM

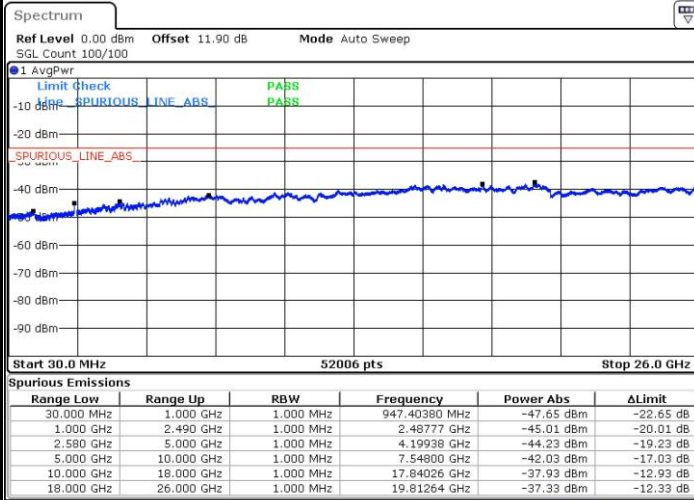


Date: 7 JUL 2018 00:48:43



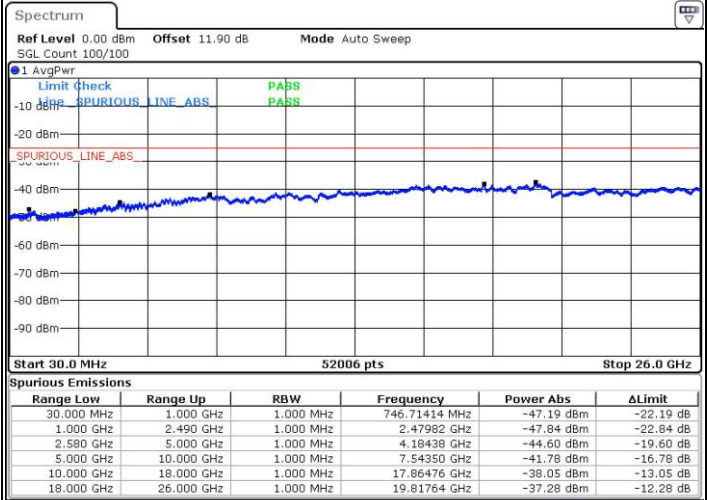
LTE Band 7 / 15MHz

Lowest Channel / 64QAM



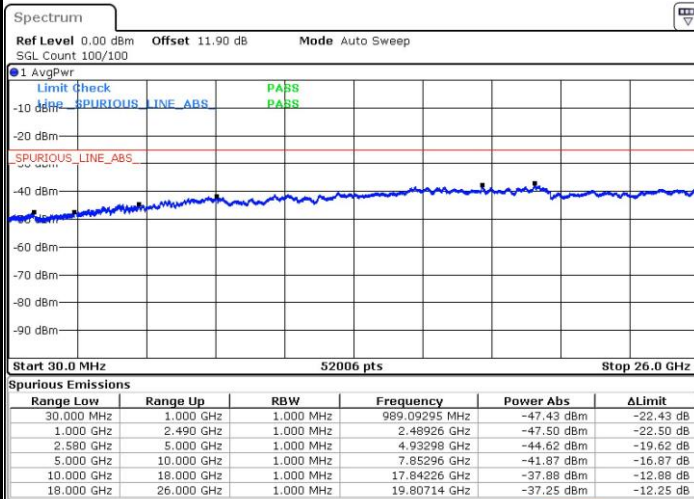
Date: 7 JUL 2018 01:09:34

Middle Channel / 64QAM



Date: 7 JUL 2018 01:10:52

Highest Channel / 64QAM

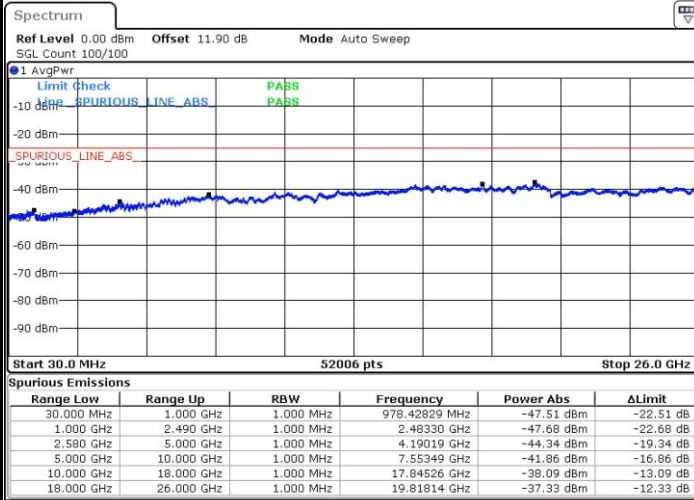


Date: 7 JUL 2018 01:14:31



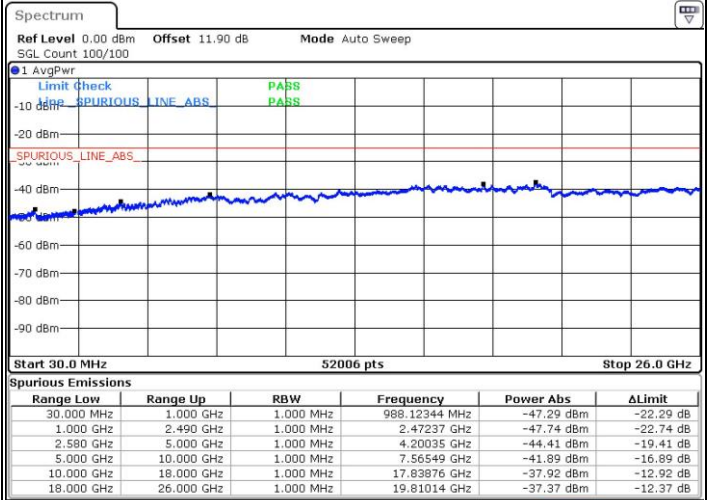
LTE Band 7 / 20MHz

Lowest Channel / 64QAM



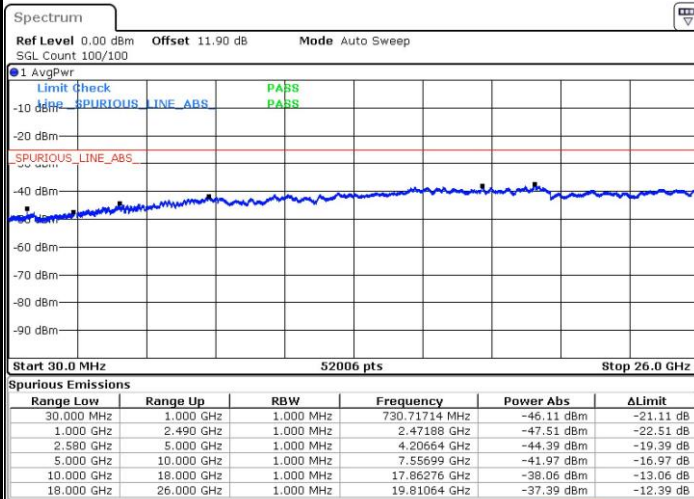
Date: 7 JUL 2018 01:37:04

Middle Channel / 64QAM



Date: 7 JUL 2018 01:38:22

Highest Channel / 64QAM



Date: 7 JUL 2018 01:42:00

Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0038	PASS
40	Normal Voltage	0.0044	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0039	
0	Normal Voltage	0.0009	
-10	Normal Voltage	0.0004	
-20	Normal Voltage	0.0077	
-30	Normal Voltage	0.0063	
20	Maximum Voltage	0.0061	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0052	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

LTE Band 7

26dB Bandwidth

Mode	LTE Band 7 : 26dB BW(MHz)			
QPSK				
BW	10MHz+20MHz	15MHz+5MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	29.97		25.33	30.63
Middle CH	29.85		25.38	30.39
Highest CH	29.91		25.33	30.63
BW	15MHz+20MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.83	30.21	34.90	39.72
Middle CH	34.69	30.15	34.83	39.80
Highest CH	34.90	29.97	34.90	39.72

Mode	LTE Band 7 : 26dB BW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+5MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	29.79		25.28	30.45
Middle CH	29.67		25.13	30.69
Highest CH	29.79		25.23	30.51
BW	15MHz+20MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.97	30.21	35.04	39.88
Middle CH	34.69	30.03	34.90	39.88
Highest CH	34.90	30.03	34.97	39.80

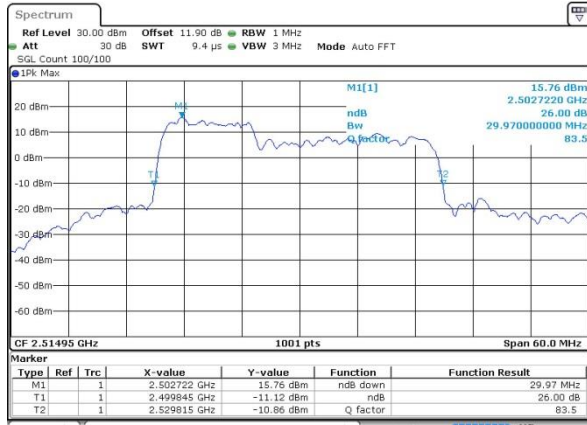
Mode	LTE Band 7 : 26dB BW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+5MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	29.91		25.38	30.63
Middle CH	29.91		25.18	30.51
Highest CH	29.85		25.23	30.45
BW	15MHz+20MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.83	30.09	34.97	39.80
Middle CH	34.83	30.15	34.83	39.72
Highest CH	34.76	30.03	35.04	39.72



LTE Band 7

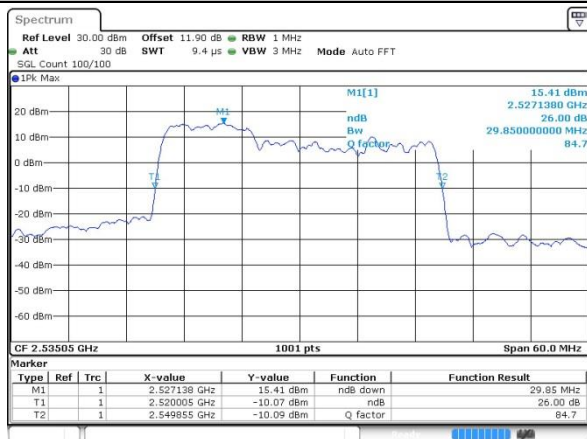
QPSK

Lowest Channel / 10MHz+20MHz



Date: 25 JUL 2018 03:29:10

Middle Channel / 10MHz+20MHz



Date: 25 JUL 2018 03:31:03

Highest Channel / 10MHz+20MHz



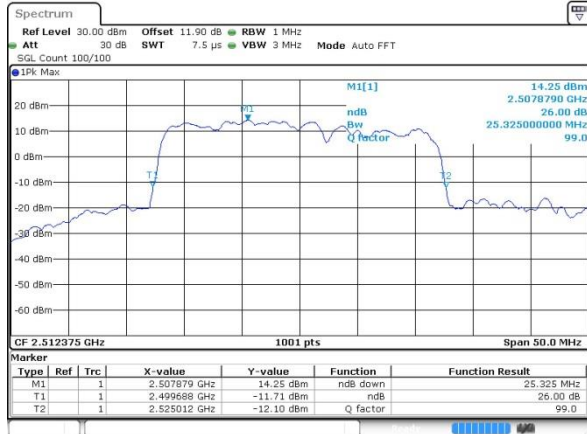
Date: 25 JUL 2018 03:32:55



LTE Band 7

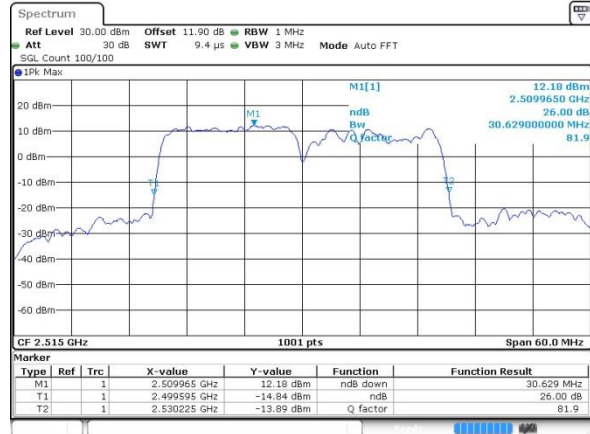
QPSK

Lowest Channel / 15MHz+10MHz



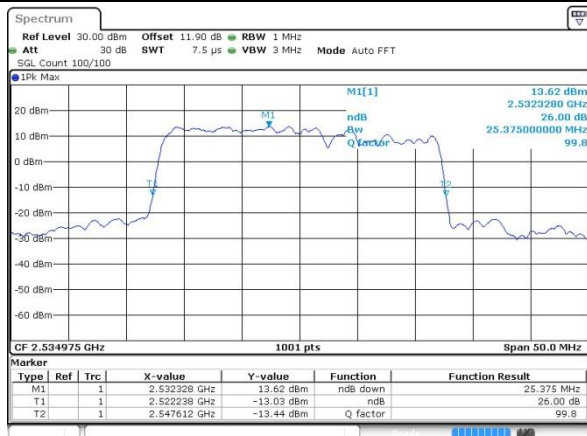
Date: 25 JUL 2018 05:02:03

Lowest Channel / 15MHz+15MHz



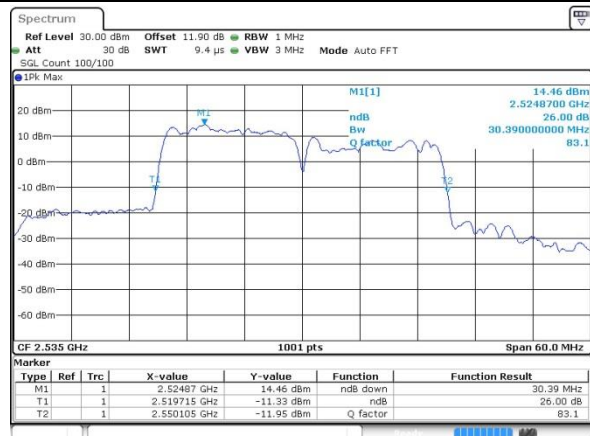
Date: 25 JUL 2018 03:44:50

Middle Channel / 15MHz+10MHz



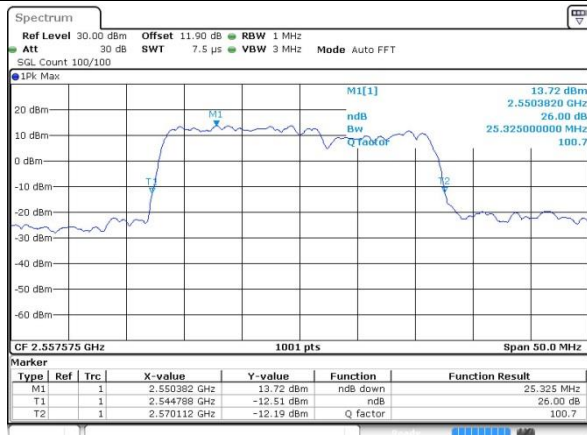
Date: 25 JUL 2018 05:48:01

Middle Channel / 15MHz+15MHz



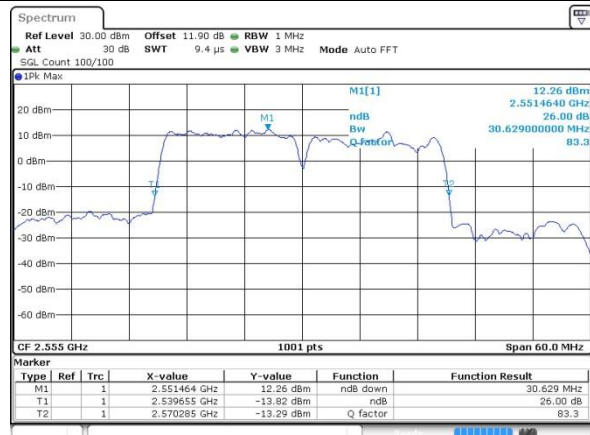
Date: 25 JUL 2018 04:10:59

Highest Channel / 15MHz+10MHz



Date: 25 JUL 2018 05:04:19

Highest Channel / 15MHz+15MHz



Date: 25 JUL 2018 04:15:59